ADDENDUM No. 6 - February 5, 2016

GENERAL

This addendum modifies, amends, and supplements designated parts of the Contract Documents for the above project and is hereby made part thereof by reference and shall be as binding as though inserted in locations designated hereunder.

It shall be the responsibility of the bidders to notify all subcontractors and suppliers he proposes to use for the various parts of the work for any changes or modifications contained in this addendum. No claim for additional compensation because of lack of knowledge of the contents of this addendum will be considered.

PART 1 GENERAL

- Clarification on bid forms: The dates for Addenda 1-3 issued with Addendum No. 4 should be the date of Addendum No. 4.
- 2. Trade Contract scope review schedule is provided at the end of this addendum.

PART 2 SPECIFICATIONS

1. ADDENDUM NO. 5

Page 15, Item 18:

Delete: Paragraph B

2. APPENDIX M

Insert at end: ProScience Analytical Report dated 2/4/16 (attached)

3. APPENDIX O

General note, Alternate for linoleum in Academic Wing corridors: for alternate bidding assume 5 colors will be used in the corridors, 2 main colors, different per floor and per wing, with highlight colors from the remainder, assume 30% waste. On Appendix O page 2, "modular" linoleum alternate at corridors, delete the word "modular"

4. SECTION 02 28 20 – ASBESTOS REMEDIATION

Page 15, first paragraph:

Delete: section 01 22 00"

Insert: "Non-trade bid unit price form, published w/ non trade bids."

5. SECTION 05 50 00 - METAL FABRICATIONS

Page 3, 1.3, Item 3:

Insert at end of 3:

"Glass panels for railing systems installed by this section 05 50 00 – METAL FABRICATIONS, shall be supplied by section 08 80 00 Glazing."

6. SECTION 06 10 00 - ROUGH CARPENTRY

Page 1, 1.1, B:

Insert "6. Fire retardant treated wood blocking at all exterior HM doors, windows and curtain wall rough openings."

7. SECTION 06 40 00 - ARCHITECTURAL WOODWORK

Page 6, 2.1: Delete: Item B

Insert: "B. "Exposed wood selected for transparent finish: Select Maple,(Acer saccharum) Clear grain."

8. SECTION 07 27 13 – MODIFIED BITUMINOUS SHEET AIR BARRIERS

Page 6, 2.2, A, 6

Delete: "6. Membrane transition flashing and termination sealant to be installed where shown and noted on the drawings and at all air and vapor barrier terminations, penetrations or connections to adjacent systems or structure whether shown and noted on the drawings or not to make the transition joints flexible and air tight."

- Insert: "6. Membrane transition flashing and termination sealant to be installed at all locations where shown and noted on the drawings to be by this Section including:
 - a. Wall air and vapor barrier membrane terminations.
 - b. Wall air and vapor barrier membrane penetrations.
 - c. Wall expansion joints.
 - d. Connections to adjacent systems (unless specifically noted to be by another Section).
 - e. Structural penetrations through wall air vapor barrier membrane."

9. SECTION 07 54 19 - POLYVINYL CHLORIDE (PVC) ROOFING

Page 1, 1.2, A, 10:

Delete "10" in its entirety

Insert: "10. Transition membrane and sealant at voids/gaps in roof air vapor barrier, roof expansion joint locations (including roof expansion joint connection to wall expansion joint) and roof edge angle splice voids/gaps."

Page 11, 2.5, D:

Insert: "3. All penetrations of the roof air vapor barrier and locations where the roof transition membrane is installed shall be made air tight."

10. SECTION 09 65 43 - LINOLEUM FLOORING

Page 1, 1.2.A.1:

Delete: Item a.

Insert: "a. Provide integral base w/ cove strip at Lobby and Cafeteria."

Page 1, 1.2.A.2.

Insert at end: Clarification (see also Addenda 4 & 5): Alternate #2 is to substitute linoleum tile at all locations scheduled under the base bid to be VCT, at corridors. Alternate is sheet vinyl.

Page 1, 1.2.A.

Delete Item 3

11. SECTION 26 00 01 - ELECTRICAL

1.1F

Insert: "5. The Electrical Trade Contractor, or its sub subcontractor, are responsible for the overall installation and function of the system and that the self-performing electrical subcontractor, or its sub-subcontractor, must separately engage an integrator with experience in design of the systems listed under section 1.1F. It is not the intent of these specifications to require systems listed in 1.1F to be installed as a turn-key installation.

12. SECTION 27 21 00 – DATA COMMUNICATIONS NETWORK EQUIPMENT

1 3A

Delete: "It is the intent of these specifications that the Vendor, Manufacturer and/or it's Authorized System Integrator expeditiously furnishes and installs a system complete in every respect and ready to operate. All miscellaneous items and accessories required for such installation, whether or not each such item or accessory is shown on the plans or mentioned in these specifications, shall be furnished and installed.

Insert: "It is the intent of these specifications that the Contractor, Manufacturer and/or its Authorized System Integrator expeditiously furnishes and installs a system complete in every respect and ready to operate. All miscellaneous items and accessories required for such installation, whether or not each such item or accessory as shown on the plans or mentioned in these specifications, shall be furnished and installed.

13. SECTION 27 31 00 - VOICE COMMUNICATIONS EQUIPMENT

1 3Δ

Delete: "It is the intent of these specifications that the Vendor, Manufacturer and/or it's Authorized System Integrator expeditiously furnishes and installs a system complete in every respect and ready to operate. All miscellaneous items and accessories required for such installation, whether or not each such item or accessory is shown on the plans or mentioned in these specifications, shall be furnished and installed.

Insert: "It is the intent of these specifications that the Contractor, Manufacturer and/or its Authorized System Integrator expeditiously furnishes and installs a system complete in every respect and ready to operate. All miscellaneous items and accessories required for such installation, whether or not each such item or accessory as shown on the plans or mentioned in these specifications, shall be furnished and installed.

14. SECTION 26 31 00 - PHOTOVOLTAIC SYSTEM

1.3B

Insert: "1. The PV Trade Contractor shall be a self-listing Electrical Trade Contractor or its sub-contractor.

PART 3 DRAWINGS

1. DRAWING A3.4- MAIN FLOOR PLAN - SECTION C-C

A. Art C185: Move note "Printer, N.I.C." to east corner at teacher desk.

2. DRAWING A4.1- LOWER FLOOR REFLECTED CEILING PLAN - SECTION C-C

B. Add exterior soffit ceiling height see ADD6 A-001.

3. DRAWING A4.2- MAIN FLOOR REFLECTED CEILING PLAN - SECTION A-A

A. Add exterior soffit ceiling height see ADD6 A-001.

4. DRAWING A6.3- WALL SECTIONS

B. Revised wall section 3 per detail 3/A6.22 revisions. Refer to sketch ADD6 A-002.

5. DRAWING A6.12- WALL SECTIONS

A. Add Drawing Detail 51. See SKA-003.

6. DRAWING A6.22- EXTERIOR SECTION DETAILS

- A. Revised detail 3, steel tube shape, sprinkler pipe location, raised soffit height and surrounding construction. Refer to sketch ADD6 A-002.
- B. Revised detail 5 to reflect exterior ceiling height revision and extension of metal panel return to DAFS.

7. DRAWING A6.25 - ROOF DETAILS

- A. Detail 3 delete dimension "9 3/4" and insert "10 1/4".
- B. Detail 8 delete dimension "9 3/4" and insert "10 1/4".

8. DRAWING A6.26 - ROOF DETAILS

A. Details 1 & 3 delete note "Transition membrane and sealant by 07 27 13; typical" and insert "Wall transition membrane and sealant at deflection joint tie-in by 07 27 13; typical"

9. DRAWING A6.27 - ROOF DETAILS

- A. Detail 2 delete dimension "9 3/4" and insert "10 1/4".
- B. Detail 4 delete dimension "10 1/8" and insert "10 1/4".

10. DRAWING A8.6 - ENLARGED TOILET PLANS

A. 7/A8.6: Boys C163: Add soap dispenser and paper towel at locations similar to Girls C164.

11. DRAWING A8.7 - ENLARGED LOBBY PLAN AND DETAILS

A. 1/A8.7: Change note and bathroom entrance from "Ceramic tile" to "Ceramic accent tile"

12. DRAWING A11.2 - ROOM FINISH SCHEDULE SECTION B-B

A. Detail 5/A11.2: delete "welded seam", revise detail to add 1.5" cove stick 38 R, and extend flooring material up "integral Base". At color transition, color transition to be vertical up the base.

13. DRAWING A11.7 - MAIN FLOOR FINISH PLAN - SECTION C-C

A. Girls C164, Boys C163: Epoxy paint to be 2 colors, EP-CC1 and EP-G

14. DRAWING E0.5 - ELECTRICAL SITE DETAILS

A. Detail #8. Clarification: Transformer pad detail to be N-Grid standard size for the transformer size and related containment surround.

PART 4 TRADE CONTRACTORS QUESTIONS AND RESPONSES

QUESTION	RESPONSE
QUESTION 1 How should we list addendum 1-3 on the bid form? Sub-bid form wants us to list addendum and the date of addendum. Addendum # 1-3 is incorporated in to specPlease advise.	Addenda 1-3 was issued w/ Addenda 4, use # 4 date
QUESTION 2 Upon viewing the project schedule when available, if winter provisions are required by the mason with heat and fuel to be provided by GC, who would own firewatch? Please clarify.	Fire watch is not required for temporary heat
QUESTION 3 Should the Precast Transformer Pad and Oil Containment Curb be as specified on Plan E0.5. I'm being told by my more than one precast concrete supplier that National Grid requires a different size pad for the specified 750 KVA oil containment curb.	N-Grid transformer standards are to be followed-see this addenda
QUESTION 4 1) Section 09 00 06: Section 09 65 43, paragraph 1.2/A/1/a indicates "integral base", drawing A11.2/5 does NOT indicate a traditional integral base. Unless otherwise notified via addenda what is shown on detail A11.2/5 will be bid. Also, the base in these areas will be bid as a single color. 2) Section 09 00 06: Drawing detail A11.2/5 calls for a "welded seam" where the 10" base contacts the floor, this joint cannot be heat welded or cold welded. This type of joint could only be caulked. So unless otherwise notified via addenda a caulked joint will be bid. 3) Section 09 00 06: Section 09 65 43, paragraph 1.2/A/1/a indicates "welded seams", there is no product specification for a welding material and the installation instructions do not indicate welding is required (the Forbo product, if carried, does not require welding. This should be listed as "weld as per manufacturer specification or requirements"). Unless otherwise notified via addenda no welding of seams will be bid.	Wording is clarified in this addenda Detail updated in this addenda Wording is clarified in this addenda seams to be installed in accordance with the manufacturers standards
QUESTION 5 Section 09 00 06: The question presented in our RFI1.1 dated, 2/2/16 (attached) has not been answered in addendum 5 (in fact it was asked multiple times from different bidders). It is quite obvious that all bidders are not understanding your description of Alternate 2 as far as the corridors are concerned. Therefore, unless otherwise notified via addenda, Alternate 2 will be bid as follows: For each area designated on finish plans (Drawings A11.4 – A11.8) having a VCT pattern designation (ex: VCT-G, VCT-CC0, etc.) will carry a single color of sheet linoleum per designation. In other words, each area calling for a random pattern of 6 colors of 12x12 VCT shall be a single color sheet linoleum (ex: VCT-G pattern = single color sheet linoleum, VCT-CC0 pattern = single color sheet linoleum).	Layout for the alternate corridor sheet linoleum are not being provided, color selection is clarified under this addenda
QUESTION 6 Please reference spec section 076200 par. 1.2 A.3. This paragraph states that section 076200, which is part of the Roofing Filed Sub-bid, owns furnishing and installation of aluminum flashing at door heads and jambs. This is not work normally performed by the roofing trade. Most roofers do not have the expertise to properly install door flashings. Please consider assigning this responsibility to another trade.	Refer to earlier addenda and details
QUESTION 7 Has there been a final construction schedule issued by CM – Fontaine Brothers for this project outlining approx. when the building envelope will be going up relative to winter conditions in order to assess the need for winter provisions expected of the Masonry bidders?	Schedule was included in the specifications issued, and has been lightly updated and update is included with this addenda

PART 5 ATTACHMENTS

SPECIFICATIONS:

1. ProScience Analytical Report dated 2/4/16 (Appendix M)

SKETCHES:

- 1. ADD-6/A-001 Exterior Soffit/Ceiling Height
- 2. ADD-6/A-002 Revised Detail 3/A6.22
- 3. ADD-6/A-003 Accent Tile at Toilet Rooms
- 4. ADD-6/A-004 Exterior Concrete Stair
- 5. ADD-6/A-005 Section at Drop-off Canopy
- 6. ADD-6/A-006 Detail A on Sheet A6.1 Revision
- 7. ADD-6/A-007 Detail B on Sheet A6.1 Revision
- 8. ASI #13,14 & 15 Issued for the steel and concrete early contract, attached for reference

TRADE CONTRACT SCOPE REVIEW SCHEDULE

Tuesday 2/16/2016

8:00 am
9:00 am
10:00 am
11:00 am
12:00 pm

Wednesday 2/17/2016

Glazing	8:00 am
Metal Windows	9:00 am
Resilient Flooring	10:00 am
Ceramic Tile	11:00 am
ACT	12:00 pm

Thursday 2/18/2016

Fire Protection	8:00 am
Plumbing	9:00 am
Elevator	10:00 am
HVAC	11:00 am
Electrical	12:00 pm

Meetings will be held on site at existing Nelson Place trailers

END OF ADDENDUM #6



ProScience Analytical Services, Inc

February 04, 2016

Ammar Dieb Universal Environmental Consultants 12 Brewster Rd. Framingham, MA 01702

Dear Ammar Dieb,

The enclosed analytical results have been obtained by using the EPA/600/R-93/116 method. The "Visual Estimate" quantitative method is generally used for determining the percentage of asbestos and other components of the sample. "The Point Counting" method may also be used upon client request or at the analyst discretion. The Point Count method is usually recommended when the sample contains less than 10% asbestos by Visual estimate. Asbestos content less than 1% is recorded on the report as TR (trace).

The Quality Control data related to the samples analyzed is available upon client's written request. ProScience Analytical Services Inc., assumes no responsibility for potential sample contamination that may have occurred during the sample collection process or erroneous data provided by the client.

The enclosed results may not be used under any circumstances as product endorsement by any US government agency including NIST/NVLAP.

All Laboratory records are retained for at least three years unless otherwise directed in writing by the client. The actual samples are retained for a period of two months and written request is necessary in order to be retained for a longer period of time. All analytical results and records are considered strictly confidential and will not be released under any circumstances to anyone except the actual client. The analytical results included in this report apply only to the items tested.

If you have any questions please contact the Laboratory Manager or the Laboratory Director.

Sincerely,

Patricia Weakley, Optical Asbestos Manager

Aimee Cormier, Laboratory Director

Patricia Weakley

Enclosure:

Version 2

LAB BATCH ID: B 99590 CLIENT PROJECT ID: N/A

Client Ref: Nelson Place, Worcester, MA

AIHA ID# 102754; CT ID# PH-0209; MA ID# AA000156; ME ID# LB-055; ME ID# LA-056; NVLAP

Lab Code 200090-0; RI ID # AAL-093; VT ID# AL016876

ProScience Analytical Services, Inc.

Client Name:

Universal Environmental Consultants

PO#: Client Project #: N/A

Client Reference: Nelson Place, Worcester, MA

Method:

EPA/600/R-93/116

Batch:

B99590

Date Sampled: Date Received:

2/3/2016

Date Analyzed:

2/4/2016 2/4/2016

Date of Report:

	de celebra de la Consta	Asbestos %					11, 11 11 11 No. 11 No. 11 11 11 11 11 11 11 11 11 11 11 11 11		Non	-Asbest	os %			
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	ОТН	NON
1	Lt. Gray	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Mortar

Location: **Boiler Room Chimney**

Comments:

Is asbestos present? No.

Analyzed: Yes

	2 1112 111 12 12	Asbestos %								Non-	Asbest	os %		
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
2	Lt. Gray	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Mortar

Location:

Boiler Room Chimney

Comments:

Is asbestos present? No.

Analyzed: Yes

		Asbestos %							Non-	Asbest	os %			
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
3	Red	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Brick

Location: **Boiler Room Chimney**

Comments:

Is asbestos present? No.

Analyzed: Yes

			54.5.2000	Asbes	stos %					Non-	-Asbest	os %		
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
4	Red	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description:

Location:

Boiler Room Chimney

Comments:

Is asbestos present? No.

Analyzed: Yes

Asbestos Codes: Non-Asbestos Codes:

Analyst: Matthew Cleveland

CHR = Chrysotile FBG = Fiberglass

AMO = Amosite MNW = Mineral Wool

CRO = Crocidolite CEL = Cellulose

ACT = Actinolite HAR = Hair

TRE = TremoliteSYN = Synthetic

ANT = Anthophyllite

NON = Non-Fibrous Minerals

Note: To create a unique lab sample ID, use the Batch # and the Sample ID (example: [Batch #] - [Sample ID]).

OTH = Other

* All results are in percentage.

Page 1 of 1

CHAIN OF CUSTODY

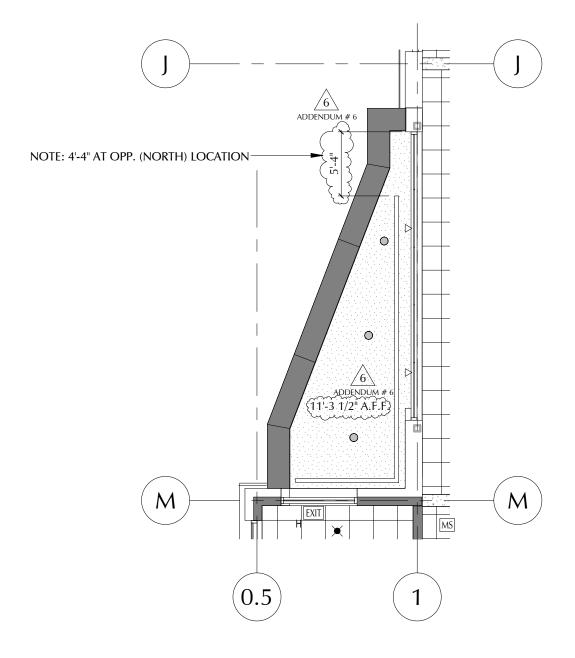
Universal Environmental Consultants						
12 Brewster Road						
Framingham, MA 01702						
Tel: (508) 628-5486 - Fax: (508) 628-5488						
adieb@uec-env.com						

PLM PLM
24-hour TAT

Town/City: Worcester, MA Building Name Nelson Place

Sample	Result	Description of Material	Sample Location
		mortar	Boiler room Chimney
2)	
3		Brick	
4		1	
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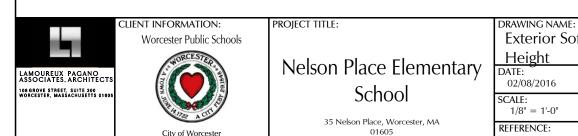
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Descived Du	Little	Witn	0 /p /	2-3-16	Cl:20 pm	Due Date
Received By:		f	Date:			



Partial Main Level Reflected Ceiling Plan - Section A-A

Scale: 1/8" = 1'-0"

OPPOSITE SIMILAR ON A4.1



MEMBER OF HE AMERICAN INSTITUTE OF ARCHITECTS Exterior Soffit/Ceiling
Height

DATE:
02/08/2016

SCALE:
1/8" = 1'-0"

REFERENCE:
ADDENDUM # 6

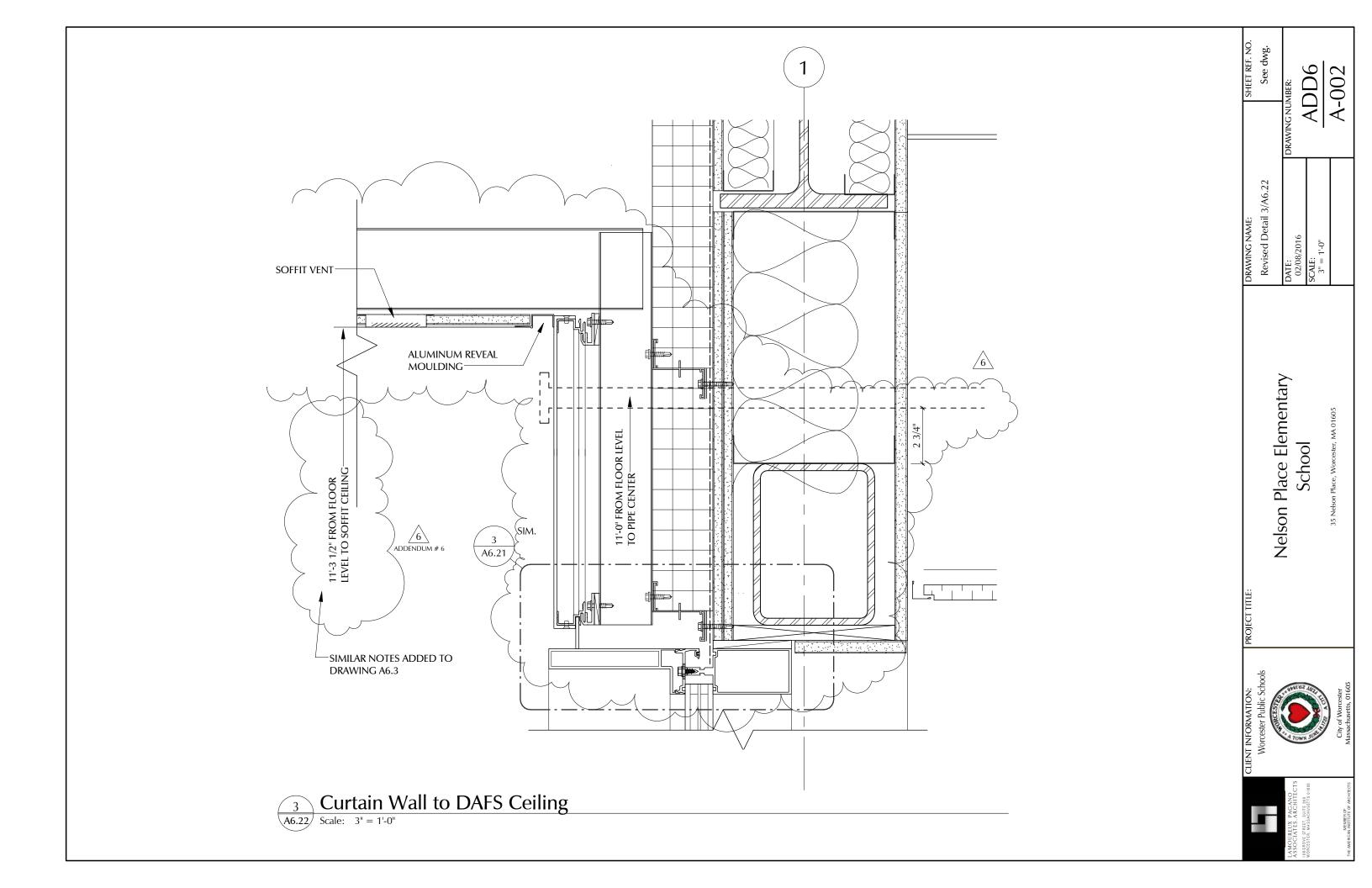
Exterior Soffit/Ceiling
See dwg.

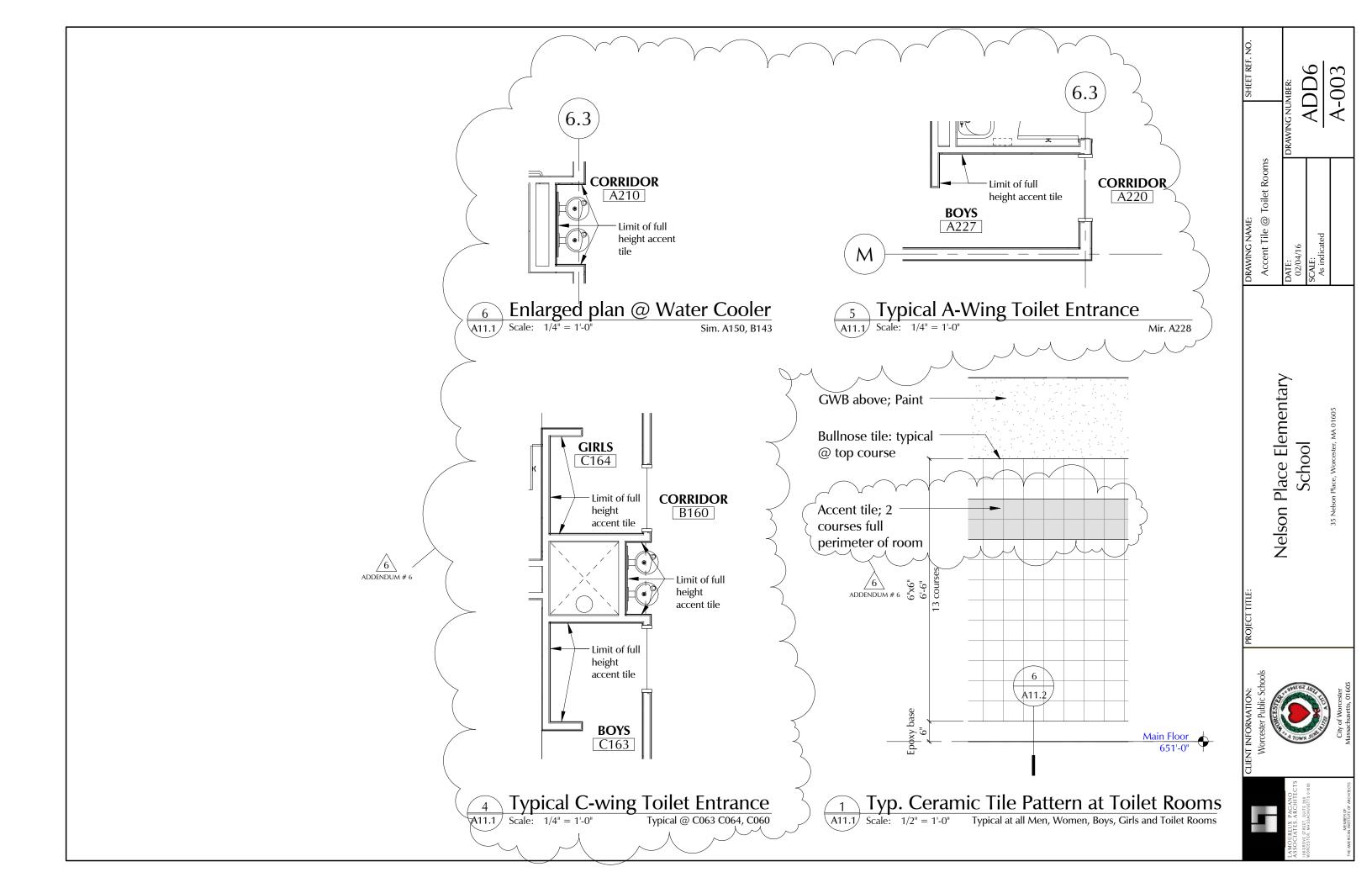
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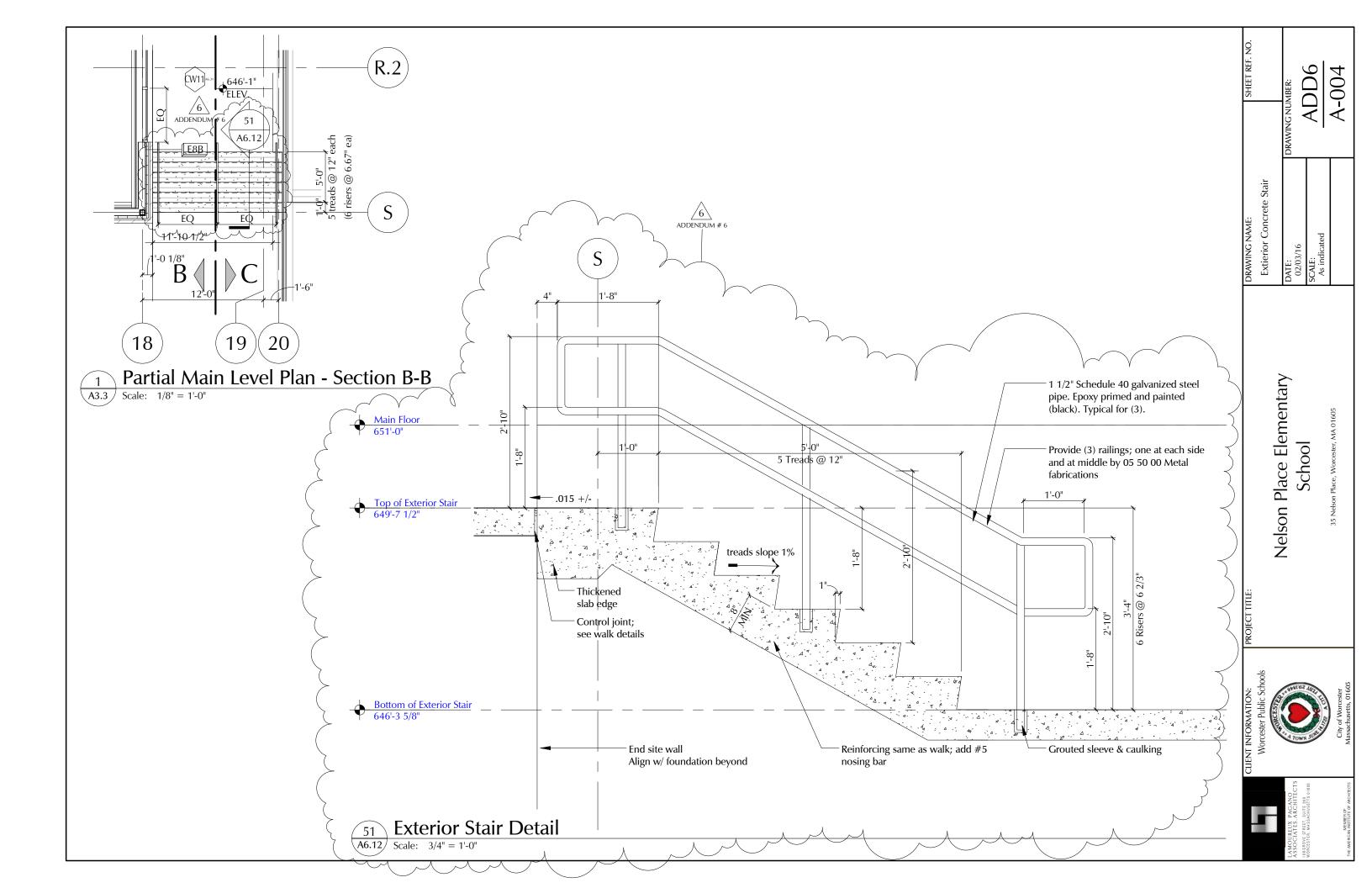
ADD6

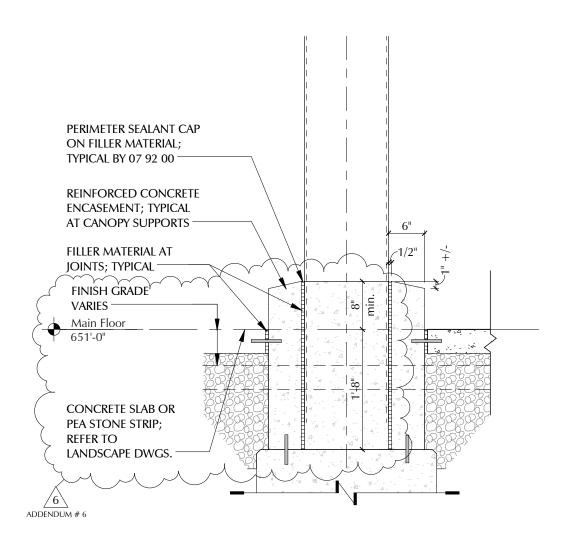
A-001

SHEET REF. NO.

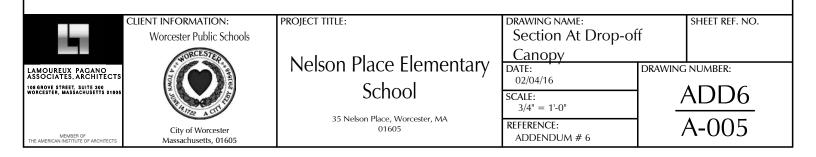


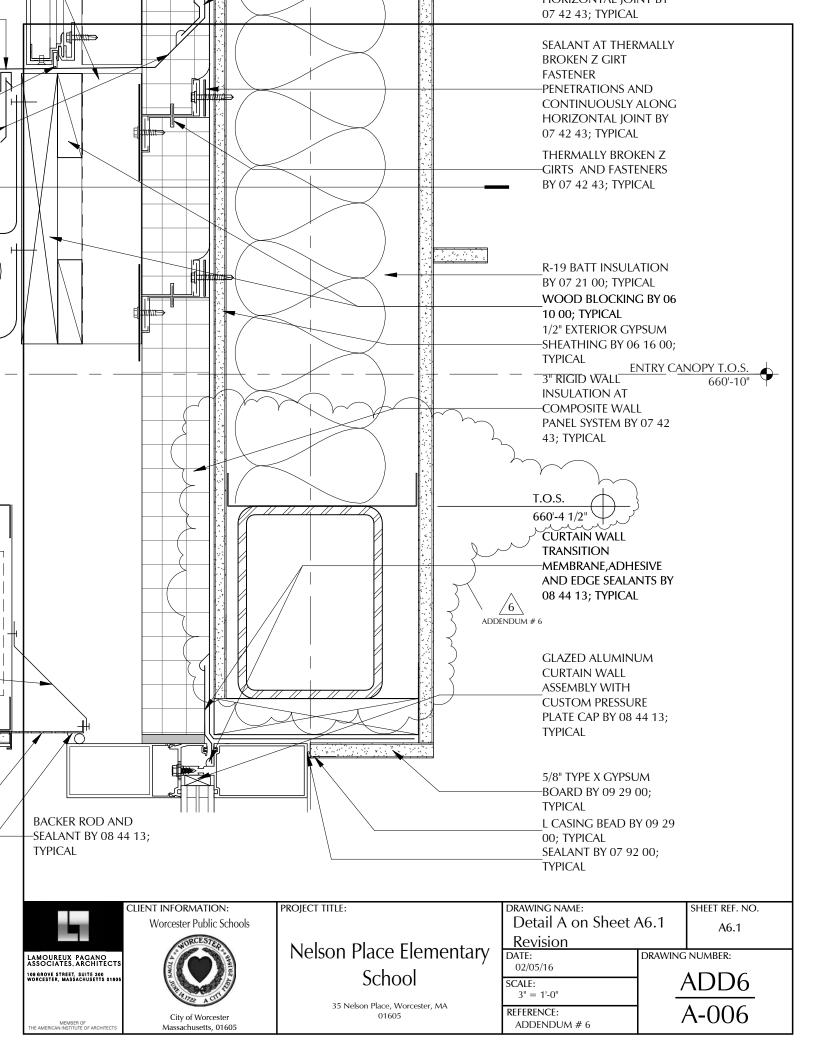


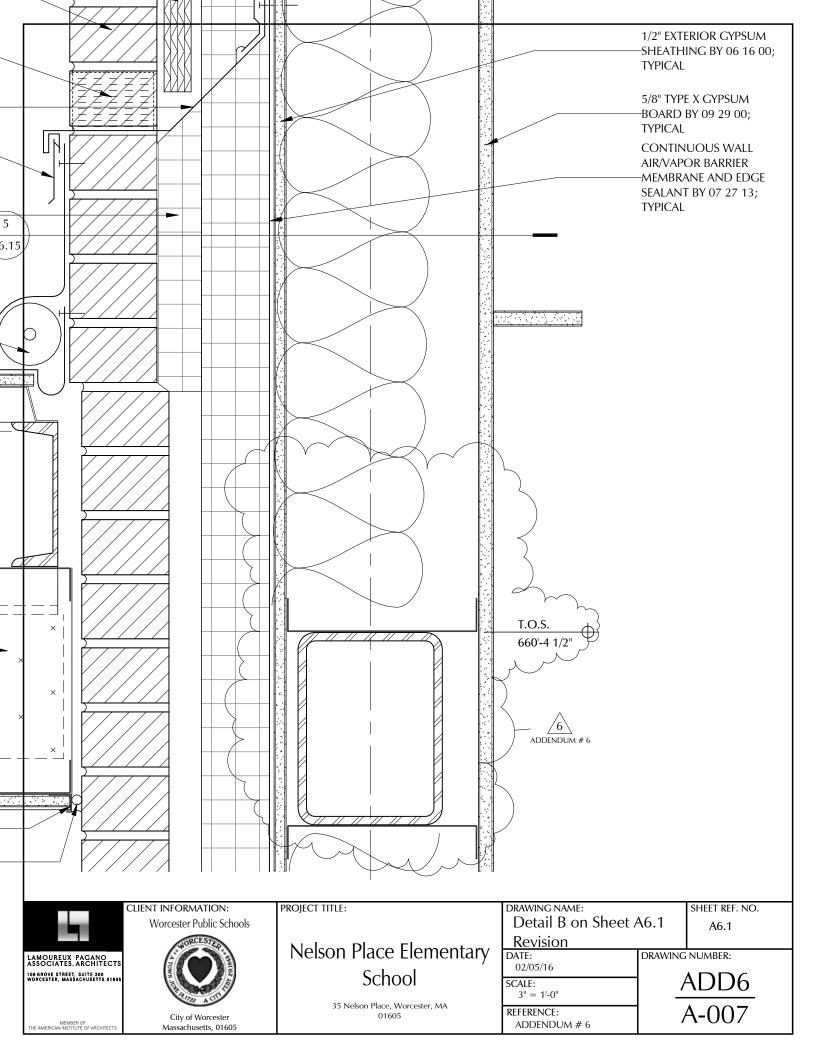








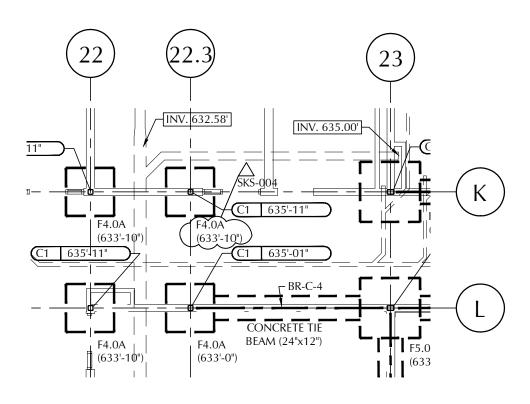




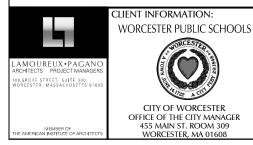
S.I. Number: 013

DATE: February 4, 2016

FOR THE PROJECT:	Nelson Place Elementary School 35 Nelson Place Worcester, MA 01605
TO THE CONTRACTOR:	Fontaine Bros., Inc. 510 Cottage Street Springfield, MA 01104
THE WORK SHALL BE CARRIED OUT IN ACC SUPPLEMENTAL INSTRUCTIONS FOR A MINOR CHANGE TO THE CONTRACT SUM OR CONTRAC	CHANGE TO THE WORK WITHOUT
DESCRIPTION: Footing depth revised to coordinate with underslab piping.	
ATTACHMENTS: SK S-004	
ISSUED BY:	
(Signature)	Jesse Veinotte (Printed name and title)
CC: CoW- Russ Adams, Clark Burritt Tishman Construction Co.	



STEEL & FOUNDATION BID PACKAGE



PROJECT TITLE: NELSON PLACE ELEMENTARY SCHOOL

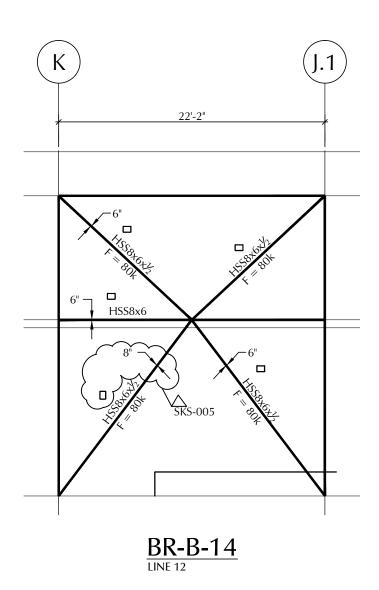
35 NELSON PLACE WORCESTER, MA 01605

	DRAWING NAME:		SHEET REF. NO.
	Footing Coordination		S3.1
	DATE:	DRAWING NUMBER:	
	02/03/16	C1/	
	SCALE:	SK	
	1/8" = 1'-0"	_	
	FILE NAME: .DWG	S-004	S-004
	.5		

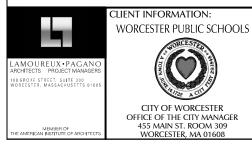
S.I. Number: 014

DATE: February 5, 2016

FOR THE PROJECT:	Nelson Place Elementary School 35 Nelson Place Worcester, MA 01605
TO THE CONTRACTOR:	Fontaine Bros., Inc. 510 Cottage Street Springfield, MA 01104
	IN ACCORDANCE WITH THE FOLLOWING MINOR CHANGE TO THE WORK WITHOUT ONTRACT TIME.
DESCRIPTION: Brace revision at BR-B-14 and girt revisions at Mo	edia Center, per the attached sketches.
SK S-005 Brace Coordination w/ Ramps, dated 2/5/16 SK S-006 Girt Coordination, dated 2/6/16	
ISSUED BY:	
(Signature)	Robert Para Jr., AIA
CC: CoW- Russ Adams, Clark Burritt Tishman Construction Co.	



STEEL & FOUNDATION BID PACKAGE



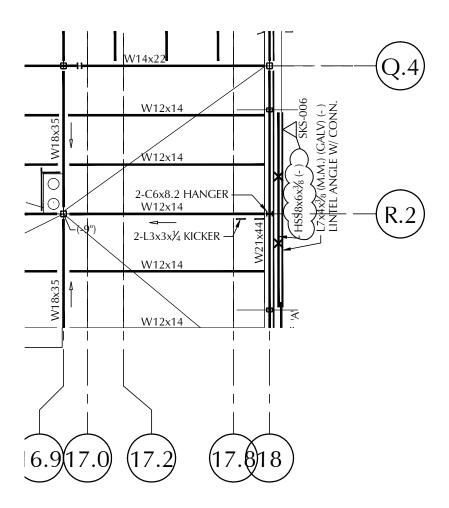
PROJECT TITLE:

NELSON PLACE

ELEMENTARY SCHOOL

35 NELSON PLACE WORCESTER, MA 01605

Brace Coord. w/ R	amps Sheet ref. No.	
DATE: 02/05/16	DRAWING NUMBER:	
SCALE: 1/8" = 1'-0"	<u>SK</u>	
FILE NAME: .DWG	S-005	



STEEL & FOUNDATION BID PACKAGE



CLIENT INFORMATION: WORCESTER PUBLIC SCHOOLS



OFFICE OF THE CITY MANAGER 455 MAIN ST. ROOM 309 WORCESTER, MA 01608

PROJECT TITLE:

NELSON PLACE ELEMENTARY SCHOOL

> 35 NELSON PLACE WORCESTER, MA 01605

DRAWING NAME: Girt Coordination

.DWG

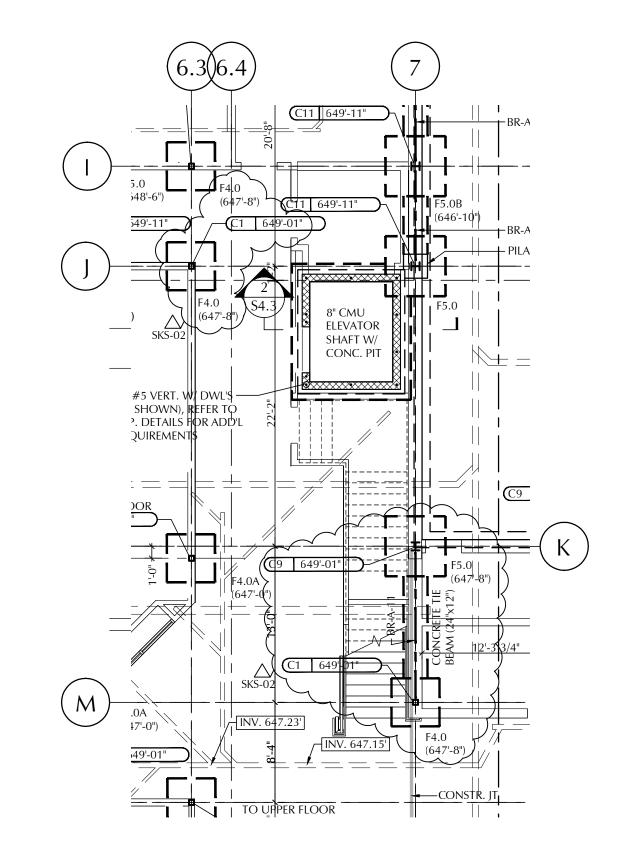
SHEET REF. NO. S3.6

DATE: DRAWING NUMBER: 02/06/16 SK SCALE: 1/8" = 1'-0"S-006 FILE NAME:

S.I. Number: 015

DATE: February 5, 2016

FOR THE PROJECT:	Nelson Place Elementary School 35 Nelson Place Worcester, MA 01605			
TO THE CONTRACTOR:	Fontaine Bros., Inc. 510 Cottage Street Springfield, MA 01104			
THE WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING SUPPLEMENTAL INSTRUCTIONS FOR A MINOR CHANGE TO THE WORK WITHOUT CHANGE TO THE CONTRACT SUM OR CONTRACT TIME.				
DESCRIPTION: Footing elevations lowered to coordinate with underground	piping, per the attached sketch.			
ATTACHMENTS: SK S-002 Footing Elevation Coordination, dated 12/23/15				
ISSUED BY:				
(Signature)	Robert Para Jr., AIA_ (Printed name and title)			
CC: CoW- Russ Adams, Clark Burritt Tishman Construction Co.				





CLIENT INFORMATION: WORCESTER PUBLIC SCHOOLS



CITY OF WORCESTER OFFICE OF THE CITY MANAGER 455 MAIN ST. ROOM 309 WORCESTER, MA 01608 PROJECT TITLE:

NELSON PLACE ELEMENTARY SCHOOL

STEEL & FOUNDATION BID PACKAGE

35 NELSON PLACE WORCESTER, MA 01605

DRAWING NAME: Footing Elevation Coord.

.DWG

SHEET REF. NO. S3.2

DATE: DRAWING NUMBER: 12/23/15 SK SCALE: 1/8" = 1'-0"S-002 FILE NAME: